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			Group Art Unit		1639
			Examiner Name		P. Ponnaluri
Total Number of Pages in This S		& cited eferences	Attorney Docket Number		19603/3356 (CRF D-1595F)
		ENCLOSU	RES (check all that apply)		
Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Supplemental Information Dis Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application A copy of the Notice to Munder 37 CFR 1.52 or 1.55	sclosure Lissing Parts	Drawing Declarat Licensin Petition Applicat Power o Change Termina Request	tion and Power of Attorney ng-related Papers to Convert to a Provisional tion f Attorney, Revocation of Correspondence Address Il Disclaimer for Refund mber of CD(s)	5 ci	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Application Data Sheet Request for Corrected Filing Receipt with Enclosures A self-addressed, prepaid postcard for acknowledging receipt Other Enclosure(s) (please identify below): D-1449 (4 pages) (in duplicate) ted references
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	SIGNATUI	RE OF APPL	ICANT, ATTORNEY, O	R A	GENT
Firm or Individual name	Nixon Peal Clinton Squ Rochester,	uare, P.O. Bo New York (585) 263-	ox 31051 14603-1051		
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I hereby certify that this corr deposited with the	espondence United State velope addre	is being: es Postal Ser		belo	w with sufficient postage as first ssioner for Patents, P. O. Box 1450,
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Application Number 09/963,920 Filing Date September 26, 2001 **FORM** First Named Inventor (to be used for all correspondence after initial filing) Francis Barany Group Art Unit 1639 Examiner Name P. Ponnaluri Total Number of Pages in This Submission 8 & cited Attorney Docket Number 19603/3356 (CRF D-1595F) references ENCLOSURES (check all that apply) Fee Transmittal Form After Allowance Communication to Group Assignment Papers (for an Application) Appeal Communication to Board of Fee Attached Appeals and Interferences Drawing(s) Appeal Communication to Group Amendment / Reply Declaration and Power of Attorney (Appeal Notice, Brief, Reply Brief) Proprietary Information After Final Licensing-related Papers Status Letter Petition ☐ Affidavits/declaration(s) **Application Data Sheet** Petition to Convert to a Provisional Extension of Time Request Request for Corrected Filing Receipt with Enclosures Express Abandonment Request Power of Attorney, Revocation × A self-addressed, prepaid postcard for Change of Correspondence Address acknowledging receipt Supplemental Information Disclosure Terminal Disclaimer Other Enclosure(s) (please identify below): Statement Request for Refund Certified Copy of Priority PTO-1449 (4 pages) (in duplicate) CD, Number of CD(s) Document(s) 5 cited references Response to Missing Parts/ Incomplete Application A copy of the Notice to Missing Parts under 37 CFR 1.52 or 1.53 Remarks The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 14-1138 for the above identified docket number. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Noreen L. Connolly, Esq. Nixon Peabody LLP Individual name Clinton Square, P.O. Box 31051 Rochester, New York 14603-1051 Telephone: (585) 263-1597 Fax: (585) 263-1600 Registration No. 48,987 Signature

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)] I hereby certify that this correspondence is being: deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop _______, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) Date Signature Jo Ann Whalen Typed or printed name

FOR FY 2004 Paleta fees are subject to annual revision.

Applicant dims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

	Complete if Known	
Application Number	09/963,920	
Filing Date	September 26, 2001	
First Named Inventor	Francis Barany	
Examiner Name	P. Ponnaluri	
Art Unit	1639	
Attorney Docket No.	19603/3356 (CRF D-1595F)	•

METHOD OF	PAYMENT (check all that apply)				F	EE CALC	ULATION (con	ntinued)	
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		1807	50	1807	50	Processing	fee under 37 CFI	R 1.17(q)	
2. EXTRA CLAIM F	EES FOR UTILITY AND REISSUE	1806	180	1806	180	Submission	n of Information I	Disclosure Stmt	180
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								Ann Whalen	
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SUBMITTED BY							Complete (if a	applicable)	
Nama (Print/Time)	Noreen L. Connolly	Regist	ration No	o. T	48,987			(585) 263-1597	7
Name (Print/Type)		(Attori	ney/Agen	(1)			Telephone	· · · · · · · · · · · · · · · · · · ·	
Signature	Mound Comolly						Date	goul so,	2004

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Applicant clairly small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

	Complete if Known	
Application Number	09/963,920	
Filing Date	September 26, 2001	
First Named Inventor	Francis Barany	
Examiner Name	P. Ponnaluri	
Art Unit	1639	
Attorney Docket No.	19603/3356 (CRF D-1595F)	

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Large Entity	Small Ent			1401	330	2401	165	Notice of Appeal
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1001 770	2001 3	85 Utility filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding
1002 340	2002 1	70 Design filing fee		1452	110	2452	55	Petition to revive - unavoidable
1003 530	2003 2	65 Plant filing fee		1453	1,330	2453	665	Petition to revive - unintentional
1004 770	2004 3	85 Reissue filing fee		1501	1,330	2501	665	Utility issue fee (or reissue)
1005 160	2005	80 Provisional filing fee		1502	480	2502	240	Design issue fee
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				1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
2. EXTRA	CLAIM FE	EES FOR UTILITY AND	•	1806	180	1806	180	Submission of Information Disclosure Stmt 180
		Fee from Extra Claims below	n Fee Paid	8021	40	8021	- 40	Recording each patent assignment per property (times number of properties)
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SUBMITTED	BY							Complete (if applicable)
Name (Print/T)	vpe)	Noreen L. Connolly	' T	-	tration N		48,987	Telephone (585) 263-1597
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Docket No.: 19603/3356 (CRF D-1595F)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants	:	Barany et al.	Examiner:
Comical Nic	_	00/062 020) P. Ponnaluri
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) Art Unit:
Cnfrm. No.	:	1149) 1639
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT **UNDER 37 CFR §§ 1.97-1.98**

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Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form.

Pursuant to 37 CFR § 1.98(d), the references 1-5 and 10-41 identified on the attached PTO-1449 form are not provided, because these references either were previously cited by or submitted to the PTO in the above referenced application or in the parent U.S. Patent Application Serial No. 08/794,851, filed February 4, 1997, of which this application claims priority under 35 U.S.C. § 120.

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Pursuant to 37 CFR § 1.17(p) and 37 CFR § 1.97(c), applicants hereby enclose a check in the amount of \$180.00. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 14-1138.

Respectfully submitted,

Noreen L. Connolly Registration No. 48,987

NIXON PEABODY LLP Clinton Square, P.O. Box 31051 Rochester, New York 14603-1051

m 20,2004

Telephone: (585) 263-1597 Facsimile: (585) 263-1600

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 09/963,920 Application Number INFORMATION DISCLOSURE September 26, 2001 Filing Date STATEMENT BY APPLICANT Barany et al. First Named Inventor eets as necessary) 1639 Art Unit P.Ponnaluri Examiner Name of Attorney Docket Number 19603/3356 (CRF D-1595F)

	OE MACK		U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Document Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-4,988,617	01/29/1991	Landegren et al.	
	2	US-5,516,635	02/16/1996	Ekins et al.	
	3	US-5,858,659	01/12/1999	Sapolsky et al.	
	4	US-6,143,495	11/07/2000	Lizardi et al.	
	5	US-6,506,594 B1	01/14/2003	Barany et al.	
	6	US-5,527,681	06/18/1996	Holmes	
	7	US-5,510,270	04/23/1996	Fodor et al.	
	8	US-5,594,121	01/14/1997	Froehler	
	9	US-5,723,320	03/03/1998	Dehlinger	
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		FC	REIGN PATENT I	DOCUMENTS	***	
Examiner Initials	Cite No.1	Foreign Patent Document Kind Code ³ Country Code ³ Number ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [¢]
9	10	WO 92/10566	06/25/1992	WIPO	·	
Ø		WO 98/03673 A	01/29/1998	WIPO		
.	12	WO 00/56927 A3	09/28/2000	WIPO		

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222 uspto gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO	C	omplete if Known
INTORMATION DISCLOSURE	Application Number	09/963,920
	Filing Date	September 26, 2001
STATEMENT BY APPLICANT	First Named Inventor	Barany et al.
APR 2 3 2004 N	Group Art Unit	1639
2004	Examiner Name	P.Ponnaluri
APR 2 3 2004 of 4	Attorney Docket Number	19603/3356 (CRF D-1595F)

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	13	Belgrader et al., "A Multiplex PCR-Ligase Detection Reaction Assay for Human Identity Testing," Genome Science & Tech. 1:77-87 (1996)	
	14	Chee et al., "Accessing Genetic Information with High-Density DNA Arrays," <u>Science</u> 274:610-614 (1996)	
	15	Day et al., "Identification of Non-Amplifying CYP21 Genes When Using PCR-Based Diagnosis of 21-Hydroxylase Deficiency in Congenital Adrenal Hyperplasia (CAH) Affected Pedigrees," <u>Hum. Mol. Genet.</u> 5(12):2039-2048 (1996)	
	16	Drobyshev et al., "Sequence Analysis by Hybridization with Oligonucleotide Microchip: Identification of β-Thalassemia Mutations," Gene 188:45-52 (1997)	
	17	Fodor et al., "Multiplexed Biochemical Assays with Biological Chips," Nature 364:555-556 (1993)	
	18	Gerry et al., "Universal DNA Microarray Method for Multiplex Detection of Low Abundance Point Mutations," J. Mol. Biol. 292:251-262 (1999)	
	19	Hacia et al., "Detection of Heterozygous Mutations in <i>BRCA1</i> Using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis," Nat. Genet. 14:441-447 (1996)	
	20	Heller et al., "Discovery and Analysis of Inflammatory Disease-Related Genes Using cDNA Microarrays," Proc. Nat'l. Acad. Sci. USA 94:2150-2155 (1997)	
	21	Khanna et al., "Multiplex PCR/LDR for Detection of K-ras Mutations in Primary Colon Tumors," Oncogene 18:27-38 (1999)	
	22	Khrapko et al., "A Method for DNA Sequencing by Hybridization with Oligonucleotide Matrix," J. DNA Seq. Map. 1:375-388 (1991)	
	23	Kozal et al., "Extensive Polymorphisms Observed in HIV-1 Clade B Protease Gene Using High-Density Oligonucleotide Arrays," Nature Medicine 2:753-759 (1996)	

Examiner		Date	
Signature		Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	09/963,920	
CTATEMENT DV ADDI ICANT	Filing Date	September 26, 2001	
STATEMENT BY APPLICANT	First Named Inventor	Barany et al.	
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AFR 2 3 2004	Examiner Name	P.Ponnaluri	
Sheet 3 of 4	Attorney Docket Number	19603/3356 (CRF D-1595F)	

VRA		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
	24	R.J. Lipshutz et al., "Using Oligonucleotide Probe Arrays To Assess Genetic Diversity," <u>Biotechniques</u> 19:442-447 (1995)	
	25	Lysov et al., "DNA Sequencing by Hybridization to Oligonucleotide Matrix. Calculation of Continuous Stacking Hybridization Efficiency," Journal of Biomolecular Structure & Dynamics 11(4):797-812 (1994)	
	26	Maskos et al., "A Study of Oligonucleotide Reassociation Using Large Arrays of Oligonucleotides Synthesised on a Glass Support," <u>Nucleic Acids Res.</u> 21:4663-4669 (1993)	
	27	Maskos et al., "A Novel Method for the Analysis of Multiple Sequence Variants by Hybridization to Oligonucleotides," <u>Nucleic Acids Res.</u> 21:2267-2268 (1993)	
	28	Nikiforov et al., "Genetic Bit Analysis: A Solid Phase Method for Typing Single Nucleotide Polymorphisms," <u>Nucleic Acids Res.</u> 22(20):4167-4175 (1994)	
	29	Nonradioactive in situ Hybridization Manual from Boehringer Mannheim Biochemicals, page 1, 1992	
	30	Nucleic Acid Hybridization, A Practical Approach, page 6, edited by Hames & Higgins, 1985, Published by IRL Press Limited, P.O. Box 1, Eynsham, Oxford OX 8 1JJ, England.	
	31	Parinov et al., "DNA Sequencing by Hybridization to Microchip Octa- and Decanuleotides Extended by Stacked Pentanucleotides," <u>Nucleic Acids Res.</u> 24:2998-3004 (1996)	
	32	Reed et al., "Chromosome-Specific Microsatellite Sets for Fluorescence-Based, Semi-Automated Genome Mapping," Nature Genetics 7:390-395 (1994)	
•	33	Schena et al., "Parallel Human Genome Analysis: Microarray-Based Expression Monitoring of 1000 Genes," Proc. Natl. Acad. Sci. USA 93:10614-10619 (1996)	
	34	Shalon et al., "A DNA Microarray System for Analyzing Complex DNA Samples Using Two-Color Fluorescent Probe Hybridization," Genome Res. 6:639-645 (1996)	

Examiner	Date	
Signature	Considered	

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Substitute for form 1449B/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	09/963,920	
STATEMENT BY APPLICANT	Filing Date	September 26, 2001	
	First Named Inventor	Barany et al.	
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B	Examiner Name	P.Ponnaluri	
Shee 4 of 4	Attorney Docket Number	19603/3356 (CRF D-1595F)	

	SADEM		
	1	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	-, -
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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